



KANSAS CORPORATION COMMISSION 1051693
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: JOSH AUSTIN / JIM MUSGROVE
Purchaser: MV PURCHASING

API No. 15 - 15-185-23649-00-00
Spot Description: _____
SW NW SE SW Sec. 14 Twp. 21 S. R. 12 East West
875 Feet from North / South Line of Section
1,600 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stafford
Lease Name: Roberts Well #: 1-14
Field Name: SAUNDRA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

Producing Formation: ARBUCKLE
Elevation: Ground: 1843 Kelly Bushing: 1846
Total Depth: 3700 Plug Back Total Depth: 3672
Amount of Surface Pipe Set and Cemented at: 341 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
11/20/2010 11/29/2010 12/08/2010
Spud Date or 11/29/2010 12/08/2010
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 8000 ppm Fluid volume: 800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: L. D. DRILLING, INC.
Lease Name: MERMIS License #: 6039
Quarter SE Sec. 24 Twp. 20 S. R. 15 East West
County: BARTON Permit #: D21526

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 03/04/2011



1051693

Operator Name: L. D. Drilling, Inc. Lease Name: Roberts Well #: 1-14
 Sec. 14 Twp. 21 S. R. 12 East West County: Stafford

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	341	A-CON	175	
SURFACE CONT	12.25	8.625	24	341	COMMON	200	2%Gel, 3%CC, .25#CF
PRODUCTION	7.875	5.5	15.5	3699	60/40 POZMIX	180	18%Salt, .5%CF5, 5#Gill, .25#CF

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	3589 - 3593'; 3562 - 3566	750 gal 20% NE Acid	
		1500 gal 28% NE Acid	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>3668</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR. <u>12/08/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	Roberts 1-14
Doc ID	1051693

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
SONIC CEMENT BOND LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	Roberts 1-14
Doc ID	1051693

Tops

ANHYDRITE	629	+1217
BASE ANHYDRITE	654	+1192
HEEBNER	3106	-1260
TORONTO	3123	-1277
DOUGLAS	3135	-1289
BROWN LIME	3241	-1395
LANSING	3247	-1401
BASE KANSAS CITY	3477	-1631
VIOLA	3500	-1654
SIMPSON SHALE	3515	-1669
ARBUCKLE	3560	-1714



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 02976 A

DATE _____ TICKET NO. _____

DATE OF JOB 11-21-10 DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER L.D. Drilling INC		LEASE Roberts WELL NO. 1-14							
ADDRESS		COUNTY Stafford 14-21-12 STATE KANS.							
CITY STATE		SERVICE CREW A. Werth, Vancil, Mitchell, JR							
AUTHORIZED BY		JOB TYPE: 8 5/8" Surface CNW							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.U	1 1/2						11-20-10	AM	11:50
103463 P.U	1 1/2					ARRIVED AT JOB	11-21-10	AM	1:30
103463 P.U	1 1/2					START OPERATION		PM	
						FINISH OPERATION	11-21-10	PM	2:00
						RELEASED	11-21-10	AM	3:30
						MILES FROM STATION TO WELL	11-21-10	AM	4:00
									4.5 miles

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A-CON Blend Common	SK	175		\$ 3150.00
CP100	Common	SK	200		\$ 3200.00
CC102	cell FLAKE	lb	94		\$ 347.80
CC109	calcium chloride	lb	1059		\$ 1111.85
CC200	cement Gel	lb	326		\$ 94.00
CF153	wooden Cement Plug 8 5/8"	EA	1		\$ 160.00
E100	unit mileage charge Pickup	mi	45		\$ 191.25
F101	Heavy Equip mileage charge	mi	90		\$ 630.00
E113	Bulk Delivery charge	Tm	794		\$ 1270.82
CF200	Depth Charge 0-500	4-hr	1		\$ 1000.00
CE240	Blending & mixing service chg.	SK	37.5		\$ 525.00
CE204	Plug container utilization chg.	Tob	1		\$ 250.00
5003	Service Supervisor first 8 hrs only	EA	1		\$ 175.00
SUB TOTAL					

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		\$ 8474.00

SERVICE REPRESENTATIVE **Allen F. Wain** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **Al Mitchell**
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling Inc	Lease No.	Date 11-21-10
Lease Roberts	Well # 1-14	
Field Order # 02976A	Station Pratt	Casing 8 5/8
	Depth 341	County Stafford
Type Job 8 5/8" Sur face	Formation CNW TO 3' 1/2'	State Ks
	Legal Description 17 21 12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 175 sks A-con Blend	RATE 12.6	PRESS	ISIP	
Depth 341	Depth	From	To 200	Pre Pad Common	Max 20 gal		5 Min.	C.F. 15'
Volume 20.46	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 321	Packer Depth	From	To	Flush Disp Fresh Water.	Gas Volume		Total Load	

Customer Representative	Station Manager scotty	Treater Allen F. Werth
Service Units 28443 27463 19960 19918		
Driver Names A. Werth Uench Bradley Mitchell JR Hunter		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30 AM					on Loc. Discuss Safety, Setup Plan Job
					Running 8 5/8" surface
2:20					Pipe @ 341 CIR w/ Rig.
2:35				3	Start mix amt 175 sks A-con blend
			68		@ 12.6 gal
	100 #			5	start mix 175 sks common
			48 1/2		w/ 2% gal 3% cc, 1/4" coll links
					@ 15 gal
					Finish mix amt
					Release wooden Plug
3:00					Start Disp.
3:10	300 #				Plug down
					shut in @ well
					Release BSJ.
					washup + Backup Equip
4:00					Job complete
					Cement in collar
					Thanks Allen, Chris, Brad
					JR. Hunter



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 03129 A

DATE _____ TICKET NO. _____

DATE OF JOB: 11/27/10	DISTRICT: PRATT, KS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: LD DRILLING		LEASE: ROBERTS		WELL NO. 1-14						
ADDRESS:		COUNTY: STAFFORD		STATE: KS						
CITY:		STATE:		SERVICE CREW: KC, CARRAS, JR						
AUTHORIZED BY:		JOB TYPE: CNW - LONGSIRING								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE: 11-27	AM	PM	TIME
19907										11:00
27463	3/4									
17826	3/4									
17860	3/4									
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				14:00
						MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 P02	SK	150		1800.00
CP103	60/40 P02	SK	30		360.00
CC102	CELL FLAKE	lb.	38		140.00
CC111	SALT	lb.	1334		667.00
CC112	OFR	lb.	65		370.00
CC201	GELSONITE	lb.	750		502.50
CC704	CS-12 HCL	gal.	1		35.00
CC151	MUD FLUSH	gal.	500		430.00
CE103	5/8 TOP RUBBER PUC	EA	1		105.00
CE251	5/8 GUIDE SHOE	EA	1		250.00
CE1451	5/8 IFA INJECTOR FLOAT	EA	1		215.00
CE1651	5/8 TURBOLIZER	EA	5		550.00
E100	PICKUP MILE:	mile	45		1125.00
E101	TRUCK MILE:	mile	90		630.00
E113	BULL DELIVERY	TM	349		552.00
CE204	PUMP CHANGE	EA	1		210.00
CE240	BLEND CHANGE	SK	180		234.00
CE364	PUC CONTAINER	EA	1		25.00
S003	SEWIRE SUPERVISOR	EA	1		175.00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

6473.14

SERVICE REPRESENTATIVE: <i>K. [Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
Lease <i>Ro</i>	Well # <i>1-124</i>	<i>11-27-10</i>
Field Order # <i>3129</i>	Station	Casing <i>5 1/2</i> Depth <i>3699</i> County <i>STAFFORD</i> State <i>KS</i>
Type Job <i>ONW LOWCSTRENC</i>	Formation <i>TD 3700</i>	Legal Description <i>14 21-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>5 1/2</i>							5 Min.
Depth <i>3699</i>	Depth	From	To	Pre Pad	Max		
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>3684</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative <i>LD</i>	Station Manager <i>SCOTT</i>	Treater <i>WINDLEY</i>
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Service Units <i>1990</i>	<i>27463</i>	<i>19826-19860</i>
Driver Names <i>156</i>	<i>CHRIS</i>	<i>JR</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1000</i>					<i>ON LOCATION</i>
					<i>Run 3691' 5 1/2 15.5417 CSG</i>
					<i>GRADE SHOE INSERT IN 1ST COLLAR</i>
					<i>CEWT. 1-3-5-7-9</i>
<i>1130</i>					<i>TO BOTTOM - DROP RATE CWT.</i>
					<i>SET 5 1/2 AT 3699'</i>
<i>1230</i>	<i>250</i>		<i>20</i>	<i>6</i>	<i>PUMP 20 bbl. 2% HCL H₂O</i>
	<i>280</i>		<i>12</i>	<i>6</i>	<i>PUMP 12 bbl. 11% FLUSH</i>
	<i>250</i>		<i>3</i>	<i>6</i>	<i>PUMP 3 bbl. H₂O</i>
	<i>200</i>		<i>31</i>	<i>6</i>	<i>PUMP 150 SIC 60/40 POZ</i>
					<i>18% SAG 1/2" CAR 5" GR. SONDE 1/4" CF.</i>
					<i>STOP - WASH LINE - DROP PRESS</i>
	<i>0</i>		<i>0</i>	<i>6</i>	<i>START 12.5P.</i>
	<i>200</i>		<i>60</i>	<i>6</i>	<i>LEFT CEMENT</i>
	<i>500</i>		<i>80</i>	<i>3</i>	<i>SLOW RATE</i>
<i>3</i>	<i>1000</i>		<i>80</i>	<i>3</i>	<i>PLUG DOWN - HEAD</i>
					<i>PLUG NAT HOLES - 30 SIC 60/40 POZ</i>
<i>1400</i>					<i>JOB COMPLETE KEVIN</i>



James C. Musgrove
Petroleum Geologist

Name
(620) 587-3444

Office
620) 588-4250 212 Main St. • P.O. Box 215 • Claflin, KS 67525

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L.D. Drilling Inc.
 LEASE Roberts #1-14
 FIELD Saunders
 LOCATION SW-NW-SE-SW
 SEC 14 TWPSP 21^S RGE 12^W
 COUNTY Stafford STATE Kansas
 CONTRACTOR Petroleum Drilling Co. (rig #2)
 SPUD 11-20-2010 COMP 11/27/2010
 RTD 3700 LTD 3699
 MUD UP 2800 TYPE MUD Chemical displaced

ELEVATIONS
 KB 1846
 DF _____
 GL 1841
 Measurements Are All
 From KB

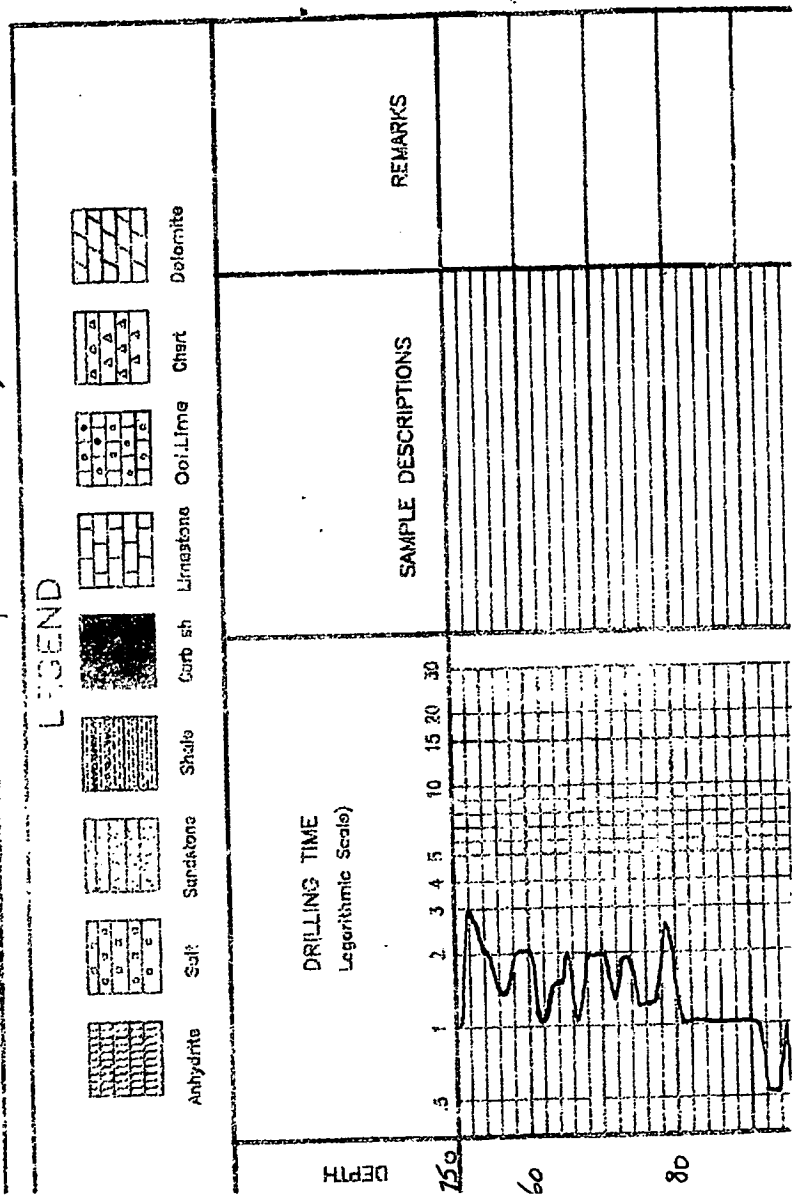
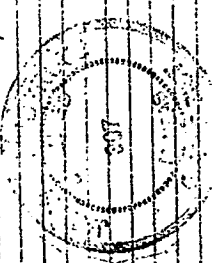
CASING
 SURFACE 8 5/8" 342'
 PRODUCTION 5 1/2" 3699'
 ELECTRICAL SURVEYS
 By log Tech

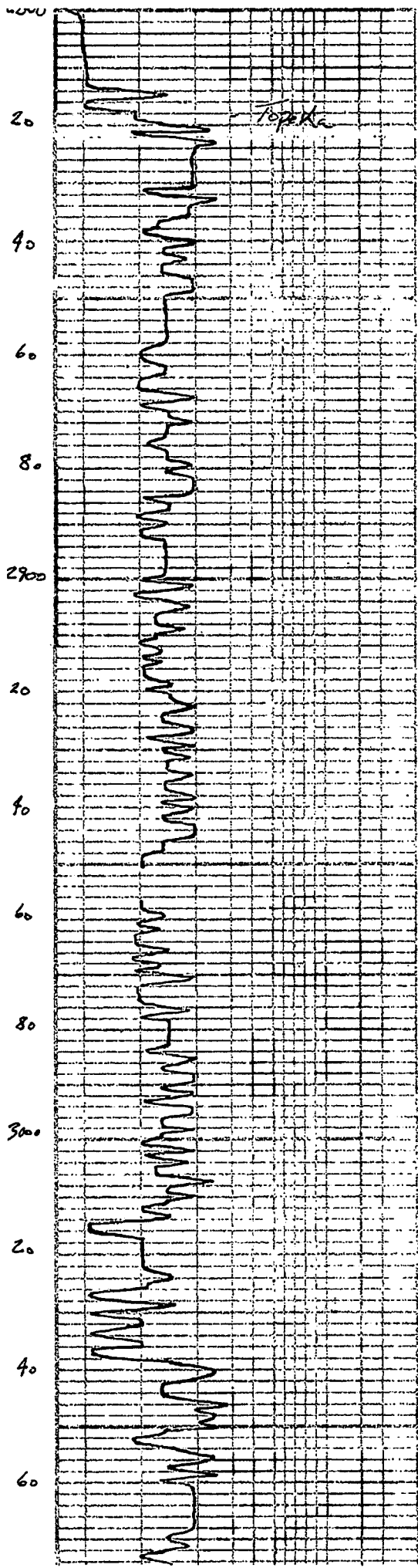
SAMPLES SAVED FROM 2750 TO _____
 DRILLING TIME KEPT FROM 2750 TO _____
 SAMPLES EXAMINED FROM 2900 TO _____
 GEOLOGICAL SUPERVISION FROM 2950 TO _____
 GEOLOGIST ON WELL Josh Austin / Jim Musgrove

FORMATION TOPS	LOG	SAMPLES
Anhydrite	629 - 1217	RTD 3700 - 1854
Base anhydrite	654 - 1192	LTD 3699 - 1853
Heebner	3106 - 1260	
Toronto	3123 - 1277	
Douglas	3133 - 1289	
Brown lime	3241 - 1395	

*5 1/2" production casing was set and cemented.
 Perfectly submitted*

*Jim Musgrove
 Petroleum Geologist
 Joshua R. Austin
 Petroleum Geologist*





Topoka

blk carb shale

f. gray shale

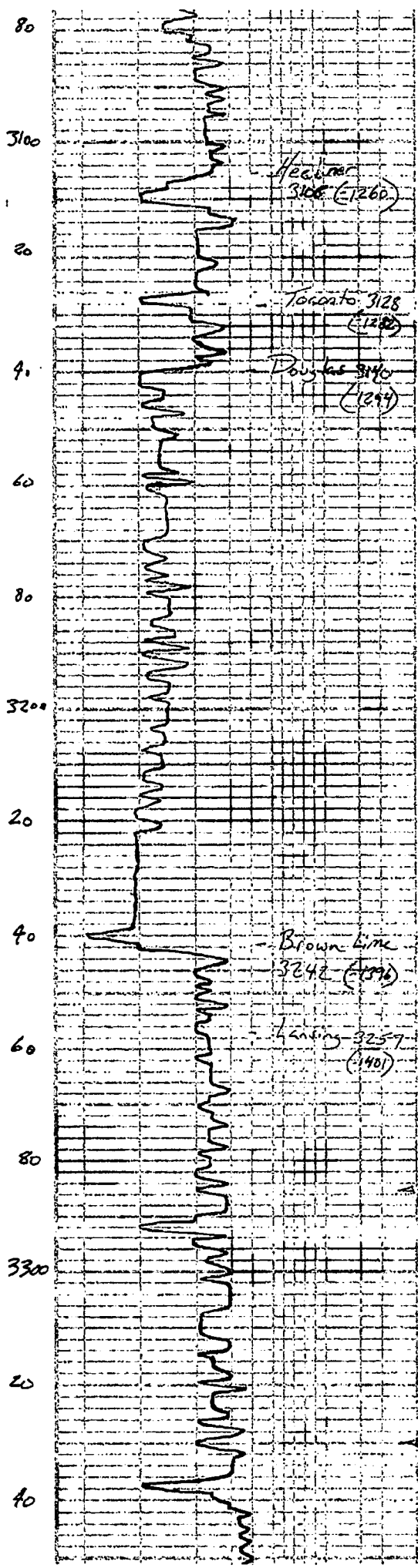
25 tan fossiliferous slightly
detrital green r/s

ls. con. tan med xl. green
'slightly less poorly dev.

blk carb sh.

ls. tan grey fossiliferous
poorly chky. fr. fossiliferous
detrital ls. - sett. 's

ls. grey - con. tan xl. chky
poorly dev. + tan heavy



Heckner
3108 (1260)

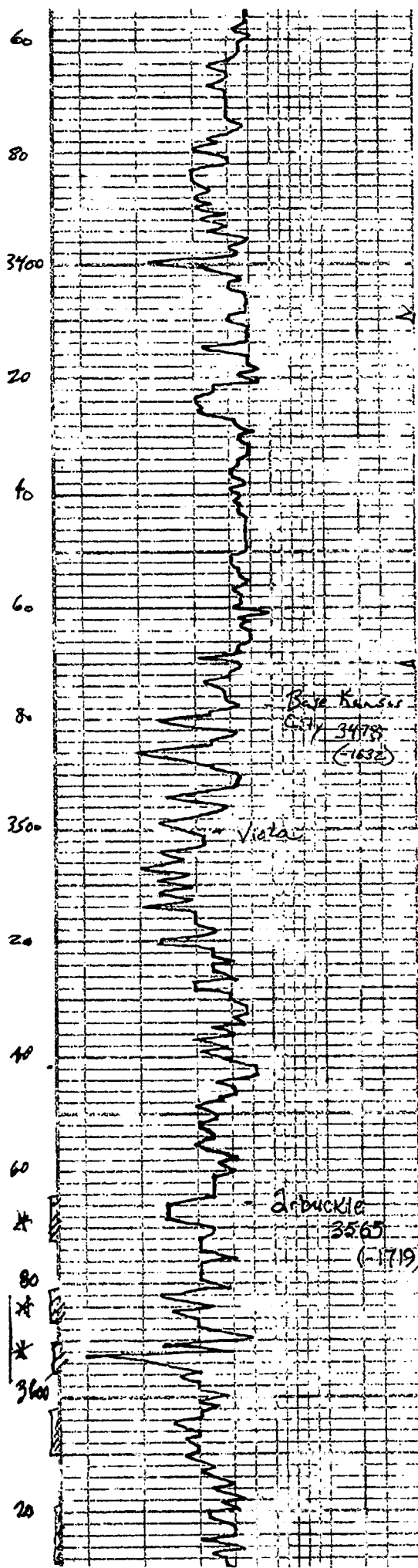
Toronto 3128
(1260)

Douglas 3140
(1247)

Brown Linc
3242 (1416)

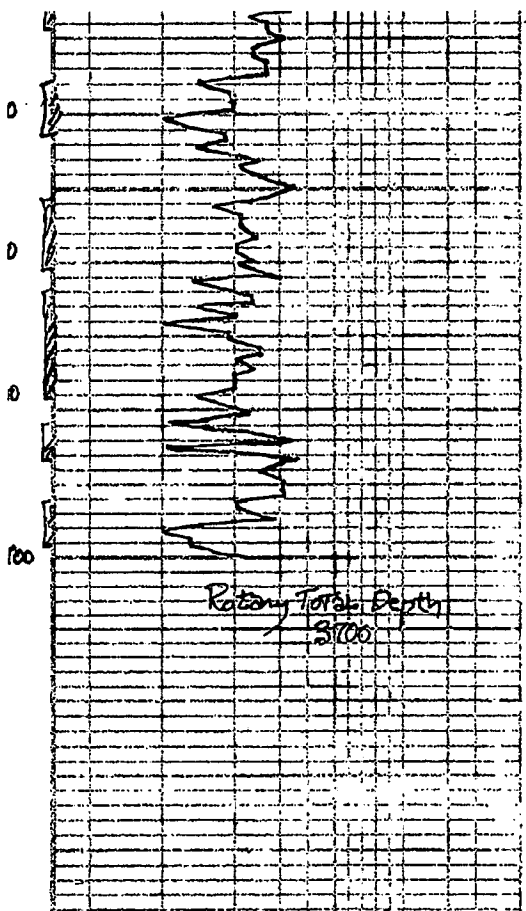
Landing 3257
(1401)

1.5m + - 100 LXL g-ran	
blk carb sh	1846 KB
gry-green sh.	
15' con- huff f-mal xl chky	
dolanite in part poor vis. 1/5	
gry-green-mie sh	
gry silty shale mie in part	
15' con- huff f-mal xl chky	
15' mie w/ sh poor vis. 1/5	
Shale & shale c.c.	
S/S	
gry. greyish green silty sh.	
gry soft shale	
mie in part	
15' con- tan f-mal sh in part by dark	
15' gry f-mal xl f-mal	Dst. # 1 3264
fairly dec. by in part	- 3330
15' tan f-mal chky to ben spaly sh to fo poor vis. w/ sh.	30-45-45-60
15' gry f-mal chky med xl sh	Blow: 21039
soft 1st top - ??? simblk sh	(Co. Exp 15 min)
15' orange f-mal base down by	Recovery: 180' gas in pipe
15' tan f-mal slightly dec	150' slightly oil cut
to 100' ben sh to spaly sh	gassy mud
15' gry f-mal chky med xl sh	(30' oil 15' gas)
soft 1st top - ??? simblk sh	8290 mud)
15' orange f-mal base down by	30' muddy water
15' tan f-mal slightly dec	pressures: IS: 1233 ps
to 100' ben sh to spaly sh	IS: 1233 ps
15' gry f-mal chky med xl sh	IS: 77-229'
soft 1st top - ??? simblk sh	IS: 289-489'
15' orange f-mal base down by	HSH
15' tan f-mal slightly dec	1820
to 100' ben sh to spaly sh	- 1786'
15' gry f-mal chky med xl sh	
soft 1st top - ??? simblk sh	
15' orange f-mal base down by	
15' tan f-mal slightly dec	
to 100' ben sh to spaly sh	



15. cm grey fine sand by
 fine v. l. sh. / s
 grey blk sh.
 15. cm sand xl. sh. sh.
 fine sand partly dec. to blk sh.
 ??? sfo. No. sh.
 15. cm fine cherty like sh.
 USA No. sh. / sandy dec.
 15. cm fine vol. cherty sand
 calc. fossil. sh. / sh. sh. sh. sh.
 grey-green sh.
 15. cm - H. grey fine sand
 in part fine v. l. sh. dec. by
 to blk sh. USA No. sh.
 yellow-green-grey med sh.
 15. cm wh. vol. cherty part. sh.
 fine blk sh. / sandy sh.
 Check V.C. heavy fine sand fine
 blk sh. USA No. sh.
 grey v. l. sub-waxy sh.
 V.C. sh.
 15. cm fine green sub-
 waxy sh.
 sh. sh. sh.
 sh. sh. sh. sh.
 dol. tan, brown, grey, sh.
 sh. / good brown sh. / sh. / sh. / sh.
 good odor.
 dol. grey-wh. med. / coarse sh.
 good sh. / v. l. sh. / good brown
 blk sh. / sh. / good sh. / good odor.
 dol. sh. / tan, fine med. sh. / coarse
 sh. / sh. / brown blk sh. / sh.
 sh. / sh. / sh. / sh. / sh.
 (In tan sh. / v. l. sh. / sh. / sh.)
 grey, dec. sh. / sh. / sh. / sh.

Dst # 2 3370
 -3470
 30-45-45-60
 Blow strong
 (0.8B 18")
 fine (0.8B 6")
 Recovery, 280 gas in pipe
 80' slightly oil cut
 gassy mud
 (10% oil; 15% gas;
 0.2% 1590 mud)
 60' slightly mud
 cut gassy oil
 (15% mud; 15% gas;
 10% mud)
 pressures: Isip 727
 Ssp 5718
 Ifp 35-61
 Ssp 66-84
 Hsh
 1723
 -1637
 Dst # 3 3476
 -3582
 30-30-45-45
 Blow strong
 (0.8B 20 min)
 Recovery, 350 gas in pipe
 150' clean oil
 100' muddy gas
 oil
 (20% mud; 20% gas
 60% oil)
 pressures: Isip 947
 Ssp 826
 Ifp 54-111
 Ssp 118-156
 Hsh
 1723-1686
 Dst # 4 3581-3598
 30-30-45-45
 Blow strong
 Recovery, 360 gas in pipe
 140' clean oil
 120' slightly mud cut
 gassy oil



000, 000, 200, 300, 400;
 Four Eight
 3 1
 Pol. emulsion, med. x ly. blk
 tang. str. sp. 3.0 da
 3 2
 ady. blk / tang. str.
 3 2
 do. any. tang. (med. x ly.)
 tang. str. sp. 3.0 da
 fib. ool. sp. 3.0 da
 3 2

(1000 gal. 15% oil)
 (1500 gal.)
 pressures; Temp 862
 550 993
 40-81
 85-101
 1733
 -1118

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: ROBERTS 1-14

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S14/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D859

Test Unit:

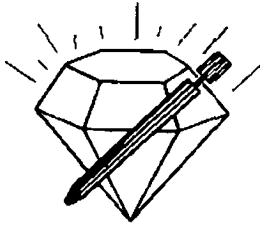
Start Date: 2010/11/24 Start Time: 06:40:00

End Date: 2010/11/24 End Time: 13:00:00

Report Date: 2010/11/24 Prepared By: JOHN RIEDL

Remarks: Qualified By: JOSH AUSTIN

RECOVERY: 180' GAS IN PIPE, 150' SLIGHTLY OIL CIT GASSY MUD
370' SLIGHTLY MUD CUT WATER



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 06:40 11/24/10

OFF 13:00 11/24/10

DRILL-STEM TEST TICKET

STC/Roberts1-14dst1

Company L D DRILLING INC Lease & Well No. ROBERTS 1-14
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC
 Elevation 1846 K.B Formation LANSING A-F Effective Pay _____ Ft. Ticket No. D859
 Date 11/24/10 Sec. 14 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 1 Interval Tested from 3264 ft. to 3330 ft. Total Depth 3330 ft.
 Packer Depth 3259 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3264 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3267 ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) 3327 ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 76 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9 Water Loss 15.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 22,000 P.P.M. Drill Pipe Length 3124 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 66 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 15 MINUTES) NO BB
 2nd Open: STRONG (B.O.B 17 MINUTES) NO BB

Recovered 180 ft. of GIP
 Recovered 150 ft. of SLOGGM (3%OIL 15%GAS 82%MUD)
 Recovered 370 ft. of SLMCW (2%MUD 98% WATER) CHLORIDES 70,000Ppm

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 520' (500' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
_____	Total

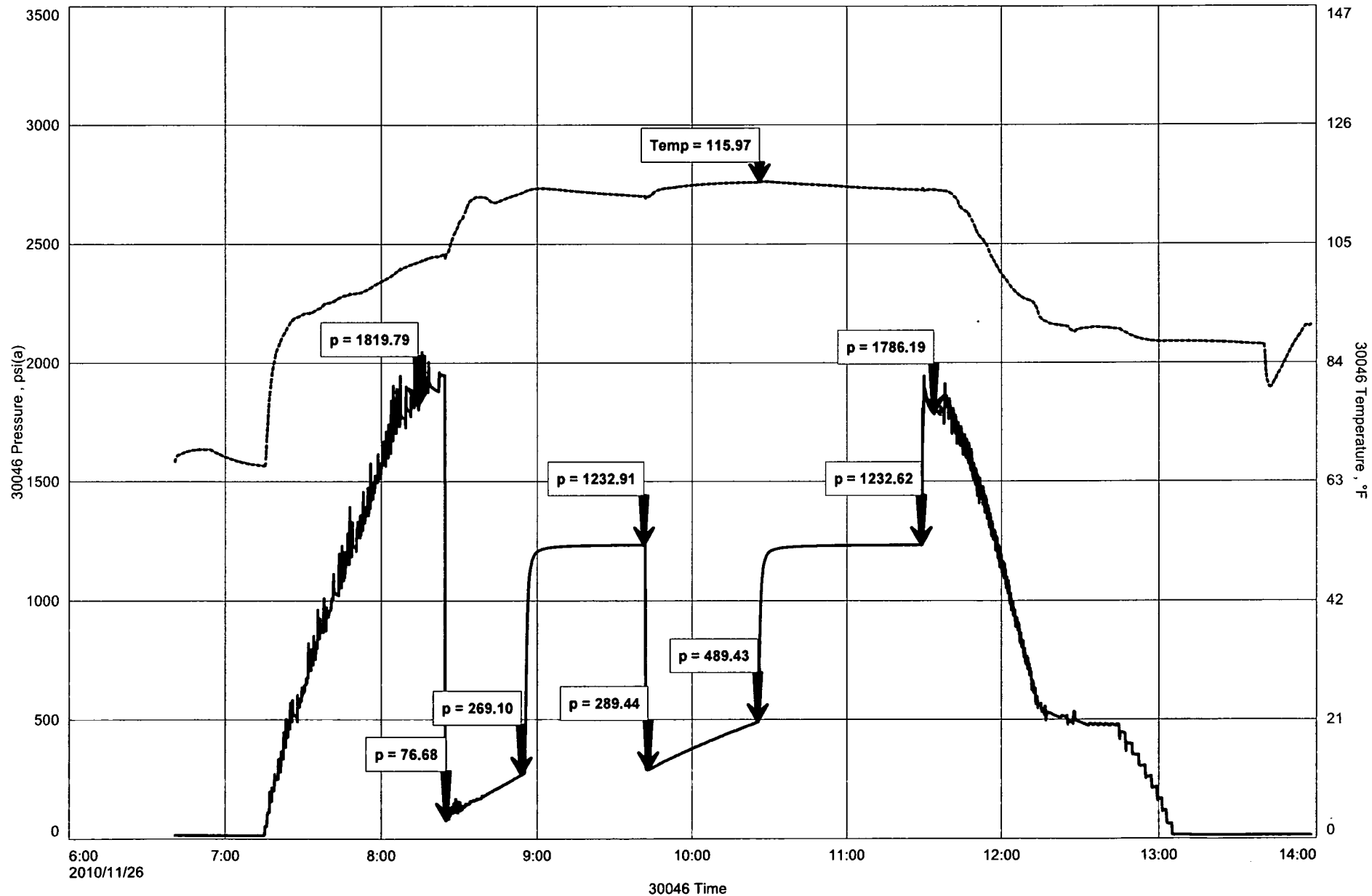
Time Set Packer(s) 8:25 A.M A.M. P.M. Time Started Off Bottom 11:25 A.M A.M. P.M. Maximum Temperature 116
 Initial Hydrostatic Pressure (A) 1820 P.S.I.
 Initial Flow Period Minutes 30 (B) 75 P.S.I. to (C) 269 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1233 P.S.I.
 Final Flow Period Minutes 45 (E) 284 P.S.I. to (F) 489 P.S.I.
 Final Closed In Period Minutes 60 (G) 1233 P.S.I.
 Final Hydrostatic Pressure (H) 1786 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
Start Test Date: 2010/11/24
Final Test Date: 2010/11/24

ROBERTS 1-14
Formation: LANS A-F
Job Number: D859

ROBERTS 1-14



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: ROBERTS 1-14

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S14/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D860

Test Unit:

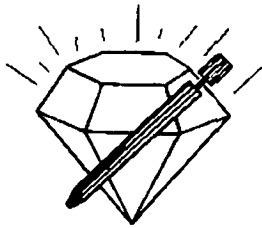
Start Date: 2010/11/25 Start Time: 03:30:00

End Date: 2010/11/25 End Time: 09:45:00

Report Date: 2010/11/25 Prepared By: JOHN RIEDL

Remarks: Qualified By: JOSH AUSTIN

RECOVERY: 280' GAS IN PIPE, 80' SLIGHTLY OIL CUT GASSY MUD,
60' SLIGHTLY MUD CUT GASSY OIL



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 03:30 11/25/10

OFF 09:45 11/25/10

DRILL-STEM TEST TICKET

STC/Roberts1-14dst2

Company L D DRILLING INC Lease & Well No. ROBERTS 1-14
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC
 Elevation 1846 K.B Formation LKC H-K Effective Pay _____ Ft. Ticker No. D860
 Date 11/25/10 Sec. 14 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 2 Interval Tested from 3370 ft. to 3470 ft. Total Depth 3470 ft.
 Packer Depth 3365 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3370 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 76 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9 Water Loss 12 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 22,000 P.P.M. Drill Pipe Length 3230 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 100 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 18 MINUTES) WEAK BB
 2nd Open: STRONG (B.O.B 6 MINUTES) NO BB

Recovered 280 ft. of GAS IN PIPE
 Recovered 80 ft. of SLOGGM (15%OIL 15%GAS 70%MUD)
 Recovered 60 ft. of SLMCGO (15%MUD 15%GAS 70%OIL)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 140' (20' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
_____	Total

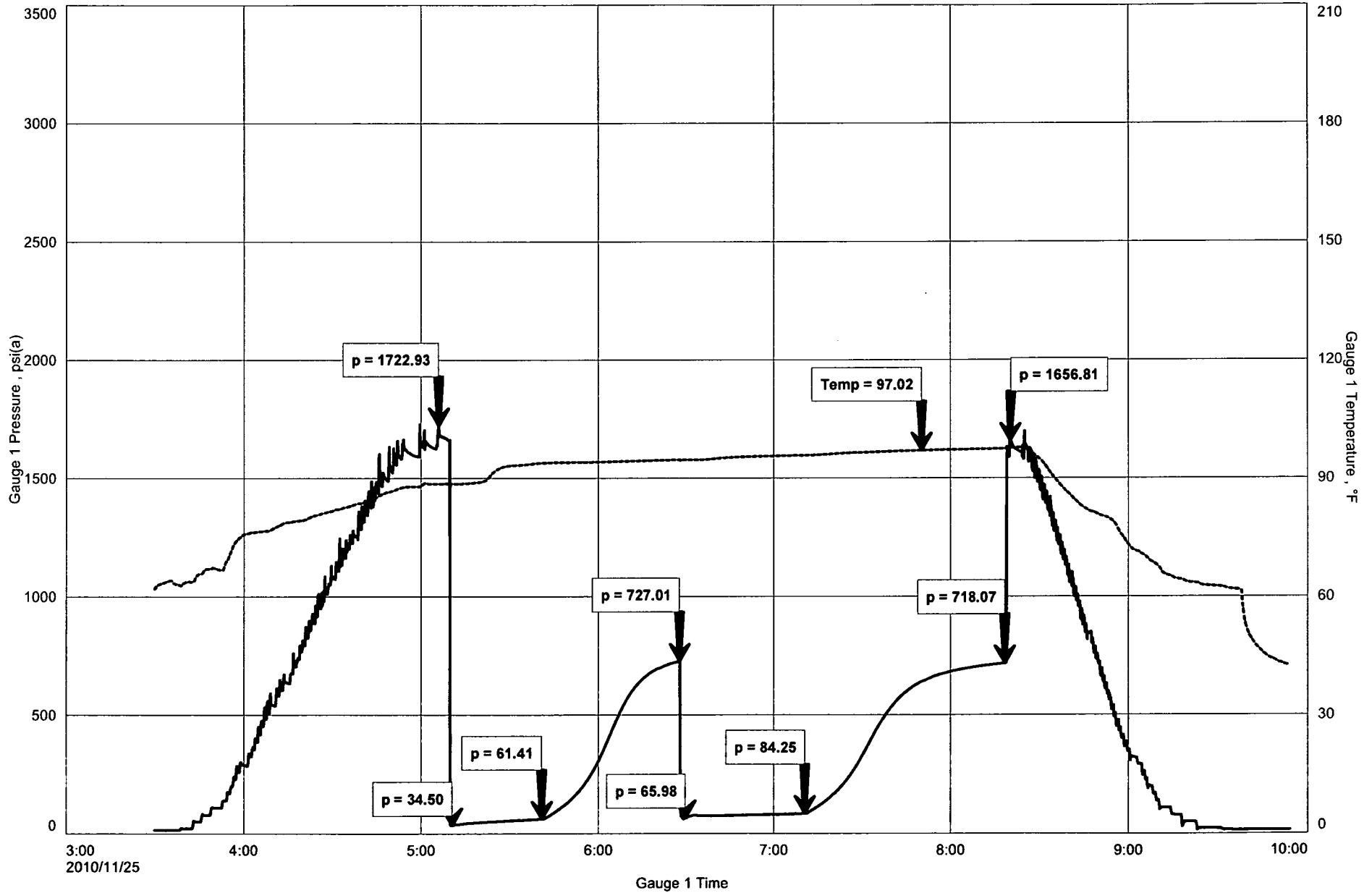
Time Set Packer(s) 5:10 A.M. A.M. P.M. Time Started Off Bottom 8:10 A.M. A.M. P.M. Maximum Temperature 97
 Initial Hydrostatic Pressure (A) 1723 P.S.I.
 Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 61 P.S.I.
 Initial Closed In Period Minutes 45 (D) 727 P.S.I.
 Final Flow Period Minutes 45 (E) 66 P.S.I. to (F) 84 P.S.I.
 Final Closed In Period Minutes 60 (G) 718 P.S.I.
 Final Hydrostatic Pressure (H) 1657 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
Start Test Date: 2010/11/25
Final Test Date: 2010/11/25

ROBERTS 1-14
Formation: LKC H-K
Job Number: D860

ROBERTS 1-14



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: ROBERTS 1-14

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S14/21S/12W

Test Information:

Company: DIAMOD TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: CONVENTIONAL Job Number: D861

Test Unit:

Start Date: 2010/11/25 Start Time: 21:25:00

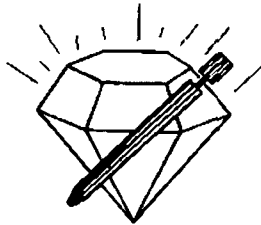
End Date: 2010/11/24 End Time: 04:15:00

Report Date: 2010/11/26 Prepared By: JOHN RIEDL

Qualified By: JIM MUSGROVE

Remarks:

RECOVERY: 350' GAS IN PIPE
150' GASSY OIL, 180' MUDCUT GASSY OIL



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 21:25 11/25/10

OFF 04:15 11/26/10

DRILL-STEM TEST TICKET

STC/ROberts1-14dst3

Company L D DRILLING INC Lease & Well No. ROBERTS 1-14

Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC

Elevation 1846 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D861

Date 11/26/10 Sec. 14 Twp. 21 S Range 12 W County STAFFORD State KANSAS

Test Approved By JIM MUSGROVE Diamond Representative JOHN C. RIEDL

Formation Test No. 3 Interval Tested from 3476 ft. to 3582 ft. Total Depth 3582 ft.

Packer Depth 3471 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3476 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3479 ft. Recorder Number 30046 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 3579 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 8,000 P.P.M. Drill Pipe Length 3336 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number NOT USED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 106 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2^{XH} in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 20 MINUTES) NO BB

2nd Open: STRONG (B.O.B 22 MINUTES) NO BB

Recovered 350 ft. of GIP

Recovered 150 ft. of GCO (10%GAS 90%OIL) 36 GRAVITY @ 60 DEGREES

Recovered 180 ft. of MCGO (20%MUD 20%GAS 60%OIL)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY:330' (210' IN DRILL PIPE, 120' IN DRILL COLLARS)

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 11:30 P.M A.M. P.M. Time Started Off Bottom 2:00 A.M A.M. P.M. Maximum Temperature 98

Initial Hydrostatic Pressure (A) 1723 P.S.I.

Initial Flow Period Minutes 30 (B) 54 P.S.I. to (C) 111 P.S.I.

Initial Closed In Period Minutes 30 (D) 947 P.S.I.

Final Flow Period Minutes 45 (E) 118 P.S.I. to (F) 156 P.S.I.

Final Closed In Period Minutes 45 (G) 826 P.S.I.

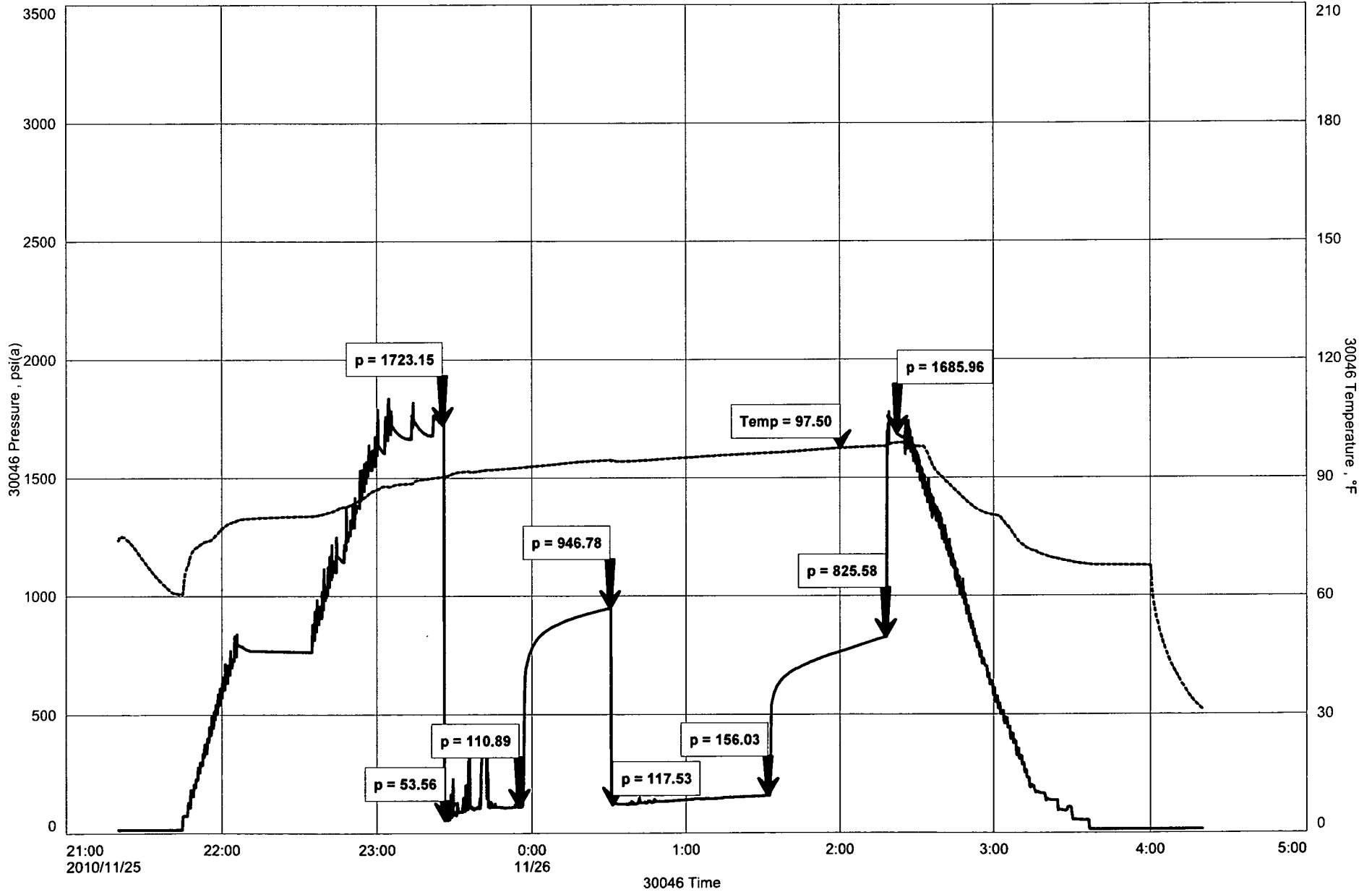
Final Hydrostatic Pressure (H) 1686 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
Start Test Date: 2010/11/25
Final Test Date: 2010/11/24

ROBERTS 1-14
Formation: ARBUCKLE
Job Number: D861

ROBERTS 1-14



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: ROBERTS 1-14

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S14/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: CONVENTIONAL Job Number: D862

Test Unit:

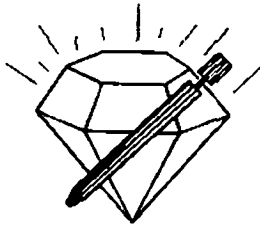
Start Date: 2010/11/26 Start Time: 10:30:00

End Date: 2010/11/26 End Time: 16:00:00

Report Date: 2010/11/26 Prepared By: JOHN RIEDL

Remarks: Qualified By: JIM MUSGROVE

RECOVERY: 360' GAS IN PIPE
140' GASSY OIL, 120' SLIGHTLY MUD CUT GASSY OIL



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 10:30 11/26/10

OFF 16:00 11/26/10

DRILL-STEM TEST TICKET

STC/Roberts1-14dst4

Company L D DRILLING INC Lease & Well No. ROBERTS 1-14
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC
 Elevation 1846 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticker No. D862
 Date 11/26/10 Sec. 14 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By JIM MUSGROVE Diamond Representative JOHN C. RIEDL

Formation Test No. 4 Interval Tested from 3581 ft. to 3598 ft. Total Depth 3598 ft.
 Packer Depth 3576 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3581 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 3584 ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) _____ 3595 ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 8,000 P.P.M. Drill Pipe Length 3341 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 17 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2^{XH} in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 25 MINUTES) WEAK BB
 2nd Open: STRONG (B.O.B 28 MINUTES) WEAK BB

Recovered 360 ft. of GIP
 Recovered 140 ft. of GO (15%GAS 85% OIL) 36 GRAVITY @ 60 DEGREES
 Recovered 120 ft. of MCGO (10%MUD 15%GAS 75%OIL)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 260' (140' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
_____	Total

Time Set Packer(s) 11:50 A.M A.M. P.M. Time Started Off Bottom 2:20 P.M A.M. P.M. Maximum Temperature 102
 Initial Hydrostatic Pressure (A) 1733 P.S.I.
 Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 81 P.S.I.
 Initial Closed In Period Minutes 30 (D) 862 P.S.I.
 Final Flow Period Minutes 45 (E) 85 P.S.I. to (F) 101 P.S.I.
 Final Closed In Period Minutes 45 (G) 793 P.S.I.
 Final Hydrostatic Pressure (H) 1718 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
Start Test Date: 2010/11/26
Final Test Date: 2010/11/26

ROBERTS 1-14
Formation: ARBUCKLE
Job Number: D862

ROBERTS 1-14

